



Agenda Date: 12/01/04

Agenda Item: 2A

STATE OF NEW JERSEY

Board of Public Utilities

Two Gateway Center

Newark, NJ 07102

www.bpu.state.nj.us

ENERGY

IN THE MATTER OF THE REVISION OF)	<u>ORDER APPROVING</u>
CHARGES FOR RESIDENTIAL ELECTRICAL)	<u>TARIFF REVISIONS</u>
UNDERGROUND EXTENSIONS BY JERSEY)	
CENTRAL POWER & LIGHT COMPANY)	DOCKET NO.ER02050312

(SERVICE LIST ATTACHED)

BY THE BOARD¹:

By letter dated May 24, 2002, Jersey Central Power and Light ("JCP&L" or "Company") is requesting approval by the Board of Public Utilities ("Board") of proposed revisions to the Company's Tariff for Service, Part II, Appendix A, Unit Costs of Underground Construction, Sheets 4 "Table of Contents", and Sheets 36, 37, 38 and 39 ("Appendix A").² The request is being made pursuant to N.J.A.C. 14:5-4.4(e), which provides that an electric utility may periodically submit a proposed tariff modifying existing underground installation charges to the Board for approval.

JCP&L's existing charges were accepted by the Board in its Order dated July 6, 1993, in Docket No. ET92030316. JCP&L asserts that its submission updates the existing charges to reflect the Company's current labor and vehicle rates, with applicable overheads, as set forth in Exhibits A and B to the letter. JCP&L further asserts that the updated material costs are based upon FirstEnergy installation standards that are being implemented by the Company. Exhibit C to the letter provides a comparison of existing charges to proposed charges under one scenario using JCP&L's installation standards and under another scenario using FirstEnergy's installation standards. While the proposed charges for most complete underground service installations

¹ Commissioner Jack Alter did not participate in the deliberations of, or vote on, this matter.

² Subsequent to the filing of the letter, other revisions to the Tariff for Service have occurred, necessitating a change in the Sheet numbers. The Sheets are now numbered 4, 38, 39, 40 and 41.

have nearly doubled, depending on the applicant's lot size, JCP&L asserts that the use of FirstEnergy's installation standards will result in smaller installation cost increases when compared to JCP&L's installation standards.

JCP&L asserts that, due to new accounting practices that no longer isolate actual trenching costs, the calculation of trenching costs was modified using a random sampling of projects from which actual labor and vehicle costs were isolated and a weighted average unit trenching cost determined. Exhibit D to the letter provides the methodology and calculations. JCP&L asserts that the methodology used to calculate the average cost per lot for complete installation by the Company remains unchanged from its previous calculation of charges in the existing Appendix A. Exhibit E to the letter provides the methodology and calculations for these average costs.

JCP&L's existing Appendix A provides a uniform pricing option that allows an applicant to provide road crossing conduits, which lowers the overall installation cost. JCP&L proposes three new uniform pricing options: (1) applicant providing service trench; (2) applicant providing road crossing conduit and service trench; and (3) applicant providing all road crossing conduit and all trench. With each of these options, the overall installation cost will be reduced accordingly. JCP&L also proposes an alternate service location charge to modify an underground layout to accommodate service entrances on opposite sides of a dwelling. Lastly, JCP&L proposes to modify its street light offerings to eliminate certain fixtures not intended for street lighting applications.

By letter dated July 16, 2004, JCP&L modified the proposed installation standards and tariff sheets to: (1) standardize the installation of fault indicators on pad-mounted transformers to assist in locating service faults and restoring service; and (2) loop new residential underground circuits for 25 or more homes. Fault indicators identify whether current has flowed past the point where the indicator is mounted, enabling a repairperson to quickly pinpoint and isolate a problem. Looping provides the ability to isolate a fault and create two independent radial circuits, thereby restoring service to all affected customers until the fault is repaired. As a result of these changes, the Company submitted a revised Table of Contents and a revised Appendix A, copies of which are attached to this Order.

By letter date "September 22, 2004, the Division of the Ratepayer Advocate ("Advocate") submitted its comments in this matter. The Advocate does not object to the proposed changes.

Discussion and Finding

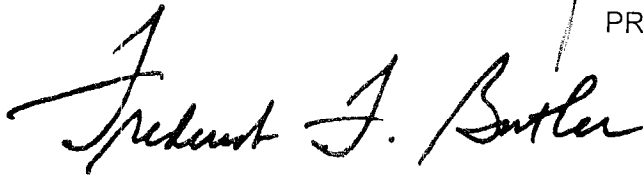
The Board, having reviewed the proposed revised Table of Contents and revised Appendix A, FINDS that such revisions are in the public interest and in accordance with applicable law. With regard to the proposed conduit and trenching options, the Board notes that N.J.A.C. 14:5-4.8(c) already provides an applicant the option to perform this work. The revisions to Appendix A establish a uniform pricing structure to assist an applicant in determining whether it is cost-

effective for the applicant to perform some or all of the conduit installation work or to have the work performed by JCP&L. The Board HEREBY ACCEPTS the revised Table of Contents and the revised Appendix A as filed by JCP&L and subsequently modified by letter dated July 16, 2004, to become effective seven (7) days after notice of said revisions is provided to the clerks of all municipalities and the clerks of the Boards of Chosen Freeholders of all counties located in the Company's service territory. The Board DIRECTS JCP&L to affirm, in writing, that said notice was timely provided. The Board DIRECTS the Company to file final revised tariff Sheets 4, 38, 39, 40, and 41 that conform to the terms and conditions of this Order within ten (10) days of the effective date of this Order.

DATED: 12/6/04

BOARD OF PUBLIC UTILITIES
BY:


JEANNE M. FOX
PRESIDENT



FREDERICK F. BUTLER
COMMISSIONER

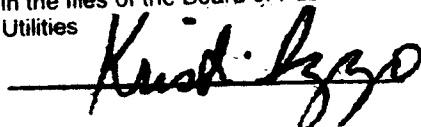


CONNIE O. HUGHES
COMMISSIONER

ATTEST:


KRISTI IZZO
SECRETARY

I HEREBY CERTIFY that the within
document is a true copy of the original
in the files of the Board of Public
Utilities



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<p style="text-align: center;">PART II STANDARD TERMS AND CONDITIONS TABLE OF CONTENTS</p>

	Sheet No.	Revision No.
Section 9 – Service Connections (cont'd)		
9.03 Underground Secondary Service Connection (other than a man-hole duct system) to Serve an Individual Residential Customer/Applicant	31	Original
9.04 Underground Distribution Service Connection to Serve a Non-Residential Customer	31	Original
9.05 Underground Distribution Service Connection (other than a man-hole duct system) in Residential Subdivision	31	Original
9.06 Conventional Underground Service Connection (Secondary Network System)	31	Original
Section 10 – General Interconnect Requirements for On-Site Generation		
10.01 through 10.05	32	Original
10.06 through 10.08	33	Original
10.09 through 10.17	34	Original
Section 11 – Reserved For Future Use	35	Original
Section 12 – Third Party Supplier Standards		
12.01 Tariff Governs	36	Original
12.02 Uniform Agreement	36	Original
12.03 Procedure for Agreement Modification	36	Original
Section 13– Interim Net Metering, Safety and Power Quality Standards for Wind and Solar Photovoltaic Systems		
13.01 Interim Standards	37	Original
Appendix A - Regulation for Residential Electric Underground Extensions (NJAC 14:5-4.1 et seq.)		
Appendix A – Unit Costs of Underground Construction – Single Family Developments	38	First
Exhibit I – Unit Costs of Underground Construction – Single-Phase 15 kV	39	First
Exhibit II – Unit Costs of Underground Construction – Three-Phase 15 kV	40	First
Exhibit III – Unit Costs of Overhead Construction – Single and Three-Phase 15 kV	41	First

Issued: xxxxx

Effective: xxxxx

Filed pursuant to Order of Board of Public Utilities
Docket No. ER02050312 dated xxxxx

Appendix A - Unit Costs of Underground Construction Single Family Developments

Appendix A - Regulation for Residential Electric Underground Extensions (NJAC 14:5-4.1 et seq.)

The Applicant shall pay the Company the amount determined from the following table:

A. Base Charges

A. Base Charges		Average Front Footage Per Lot			
1. Single Family		<= 125 Ft	126-225 Ft	226-325 Ft	>= 326Ft
	Nonrefundable charge per building lot				
	ξ Complete installation by JCP&L	\$ 848.00	\$1,142.00	\$1,436.00	\$2,833.00
	ξ With Applicant providing road crossing conduits	\$ 781.00	\$1,059.00	\$1,337.00	\$2,650.00
	ξ With Applicant providing service trench	\$ 331.00	\$ 578.00	\$ 825.00	\$1,847.00
	ξ With Applicant providing road crossing conduits and service trench	\$ 267.00	\$ 498.00	\$ 729.00	\$1,668.00
	ξ With Applicant providing all trenching and road crossing conduits	\$ 65.00	\$ 94.00	\$ 123.00	\$ 254.00
	Refundable deposit based on equivalent overhead construction	\$ 465.00	\$ 930.00	\$1,395.00	\$2,325.00

2. Lots requiring 1) primary extension

Without primary enclosure	\$1,159.00
With primary enclosure	\$2,946.00

3. **Duplex-family buildings, mobile homes, multiple occupancy buildings, three-phase high capacity extensions, lots requiring primary extensions thereon, excess transformer capacity above 8.5 KVA, etc.**

Charge to be based on differential cost
according to unit costs specified in
Exhibits I through III

B. Additional Charges

1. Street Lights

16 foot fiberglass pole with standard colonial post top luminaire.....	\$ 260.00
16 foot fiberglass pole with ornate colonial post top luminaire	\$ 647.00
30 foot fiberglass pole with cobra head luminaire on 6 foot bracket.....	\$ 589.00
12 foot 9 inch ornate fiberglass pole with ornate colonial post top luminaire	\$1,961.00
12 foot 9 inch ornate fiberglass pole with acorn style post top luminaire	\$2,006.00

2. Multi-Phase Construction

\$0.12 per added phase per foot

3. Pavement cutting and restoration, rock removal, blasting, difficult digging, and special backfill

At actual low bid cost with option of Applicant to contract for as limited by NJAC 14:5-4.1 et seq.

4. Alternate Service Location Charge

Rate Service Location Charge	<u><= 125 Ft</u>	<u>126-150 Ft</u>	<u>> 150 Ft</u>
With trenching by JCP&L	\$ 715.00	\$ 950.00	not applicable
With Applicant trenching	\$ 615.00	\$ 810.00	not applicable

Note: All charges are subject to taxes as provided in Section 3.14.

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Issued by Stephen E. Morgan, President
300 Madison Avenue, Morristown, NJ 07962-1911

JERSEY CENTRAL POWER & LIGHT COMPANY

BPU No. 10 ELECTRIC - PART II

1st Rev. Sheet No.39
Superseding Original Sheet No. 39

Appendix A - Exhibit I - Unit Costs of Underground Construction Single-Phase 15 kV

Item	Unit	Total Cost
1. Trenching – sole use	per foot	\$ 4.68*
2. Primary cable # 2 aluminum	per foot	1.27
3. Secondary cable 4/0 aluminum	per foot	3.10
350 MCM aluminum	per foot	3.85
4. Service - 200 amp and below	per foot	3.15
50 feet complete	each	644.28
5. Primary termination - branch	each	528.14
6. Primary junction enclosure - branch	each	1,787.12
7. Secondary enclosure	each	286.72
8. Conduit - 4 inch PVC	per foot	3.31
9. Street light cable - # 12 cu. duplex	per foot	2.31
10. Transformers - including fiberglass pad		
25 kVa – single-phase	each	1,762.20
50 kVa – single-phase	each	1,892.28
75 kVa – single-phase	each	2,176.29
100 kVa – single-phase	each	2,141.80
137 kVa – single-phase	each	2,890.40
11. Street light poles		
16 foot post top fiberglass pole	each	347.64
30 foot fiberglass pole	each	572.32
12 foot 9 inch ornate fiberglass pole	each	1,662.20
12. Street light luminaire – cobra head	each	315.58
13. Post top luminaire		
50, 70, 100 & 150 watt colonial style	each	210.97
70 & 100 watt ornate colonial style	each	598.09
70 & 100 watt ornate acorn style	each	642.77
14. Primary splice – # 2 aluminum	each	185.53

* Joint trench calculation: $0.5 \times (0.85 \times \$4.68) + 0.15 \times \$4.68 = \2.69

Note: All charges are subject to taxes as provided in Section 3.14.

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JERSEY CENTRAL POWER & LIGHT COMPANY

BPU No. 10 ELECTRIC - PART II

**1st Rev. Sheet No. 40
Superseding Original Sheet No. 40**

Appendix A - Exhibit II - Unit Costs of Underground Construction Three-Phase 15 kV

<u>Item</u>	<u>Unit</u>	<u>Total Cost</u>
1. Primary cable – three-phase main feeder	per foot	\$ 12.11
2. Secondary cable - 4-wire 350 MCM aluminum	per foot	5.30
3. Service cable - 4-wire 350 MCM aluminum	per foot	6.38
4. Primary termination - main		
# 2 aluminum three-phase	each	1,419.20
1000 MCM aluminum three-phase	each	2,431.29
5. Primary junction - main	each	3,453.51
6. Primary switch - main		
PMH-9	each	12,931.47
PMH-10	each	10,676.92
PMH-11	each	12,191.37
PMH-12	each	14,221.15
7. Conduit - 5 inch PVC	per foot	4.39
8. Transformers - including concrete pad		
75 kVa three-phase	each	4,688.65
150 kVa three-phase	each	5,448.79
300 kVa three-phase	each	6,655.27
500 kVa three-phase	each	7,954.28
9. Primary splice – 15 kV three-phase cable	each	138.77

Note: All charges are subject to taxes as provided in Section 3.14.

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JERSEY CENTRAL POWER & LIGHT COMPANY

BPU No. 10 ELECTRIC - PART II

**1st Rev. Sheet No. 41
Superseding Original Sheet No. 41**

Appendix A - Exhibit III - Unit Costs of Overhead Construction Single and Three-Phase 15 kV
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<u>Item</u>	<u>Unit</u>	<u>Total Cost</u>
1. Pole line (including 40 foot poles, anchors & guys)	per foot	\$ 4.41*
2. Primary wire		
Single-phase – branch	per foot	1.15
Three-phase – main	per foot	5.59
3. Primary wire - neutral	per foot	1.29
4. Secondary cable		
Three-wire	per foot	2.92
Four-wire	per foot	4.39
5. Service		
Single-phase	each	381.70
Single-phase - 200 amp and below	per foot	2.41
Three-phase – up to 200 amp	per foot	5.61
Three-phase – over 200 amp	per foot	6.55
6. Transformers		
25 kVa – single-phase	each	791.66
50 kVa – single-phase	each	994.36
75 kVa – single-phase	each	1,439.68
100 kVa – single-phase	each	1,718.53
167 kVa – single-phase	each	2,315.73
3- 25 kVa – three-phase	each	2,601.72
3- 50 kVa – three-phase	each	3,209.82
3- 75 kVa – three-phase	each	5,154.19
3-100 kVa – three-phase	each	6,144.30
3-167 kVa – three-phase	each	8,152.24
7. Street light luminaire	each	298.94

* Pole line cost to be used = $\$4.41 / 2 = \2.21

Note: All charges are subject to taxes as provided in Section 3.14.

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